Ikechukwu "Ike" Uchendu

LinkedIn • GitHub • Email

EDUCATION

MS: Michigan State University August 2018 – May 2020
Major: Computer Science & Engineering
Advisor: Dr. Jiayu Zhou
GPA: 3.9/4.0

BS: Michigan State University August 2014 – August 2018
Major: Computer Science & Engineering
GPA: 3.35/4.0

RESEARCH EXPERIENCE

Intelligent Data Analytics (ILLIDAN) Lab – MSU December 2017 – January 2020

- Contributed to several research projects relating to dialogue systems and reinforcement learning

WORK EXPERIENCE

Google – Mountain View, CA May 2019 – August 2019
Software Engineering Intern

- Applied internal Google anomaly detection services to local ride and delivery time-series metrics

Microsoft – Redmond, WA May 2018 – August 2018
Software Engineering Intern

- Engineered features for an enterprise fraud detection classifier that resulted in a 4% increase in fraud detected in Azure

LinkedIn –Mountain View, CA May 2017 – August 2017
Software Engineering Intern

- Implemented Deferred-Deeplinking – allows users to "pick up where they left off" upon switching from desktop web to mobile clients

Humana – Louisville, KY May 2016 – December 2016
Mobile Applications Engineer Intern

- Refactored Humana Pharmacy App backend into C# Microservices

Production Systems Management Intern

- Built Windows form application in C# to control the display of crucial performance monitoring dashboards
- Produced various performance monitoring dashboards in Splunk

MSU IT Services – East Lansing, MI **November 2015 – May 2016**
Backend Web Development Intern

- Edited the business logic of Java MVC web applications
- Created functional tests to simulate an online user experience using Gradle and Geb

Consumers Energy – Jackson, MI **May 2015 – August 2015**
Software Development Intern

- Modified web applications in C# to automate Microsoft PowerPoint tasks for development team leads
- Automated an email interface using SAP ABAP and HTML for a smoother customer experience
- Revised an obfuscation program that hides sensitive customer data from developers, business partners, and third-party organizations

PAPERS

Improving Mild Cognitive Impairment Prediction via Reinforcement Learning and Dialogue Simulation.
arXiv preprint arXiv:1802.06428. (2018)
Tang, F., Lin, K., Uchendu, I., Dodge, H. H., & Zhou, J.

PROJECTS

Reinforcement Learning Library

- Created custom implementations of DQN, REINFORCE, A2C, and A3C in TensorFlow

TEACHING

Michigan State University **August 2018 – Present**
Graduate Teaching Assistant

- CSE 101: Computing Concepts/Competencies
- CSE 335: Object Oriented Software Design
- CSE 477: Web App Architecture & Development

Michigan State University **August 2017 – May 2018**
Undergraduate Learning Assistant

- CSE 331: Algorithms and Data Structures